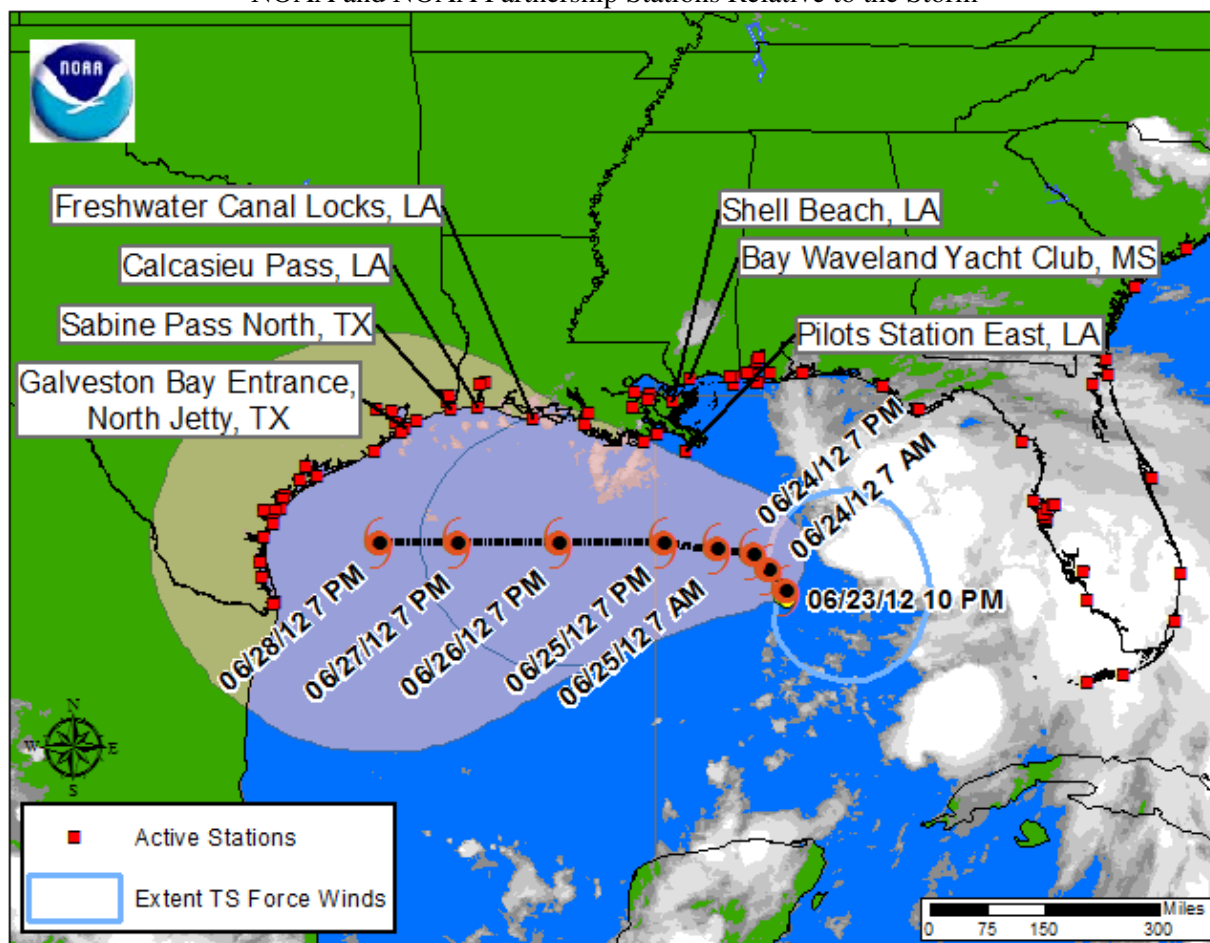


Tropical Storm DEBBY QuickLook
Posted: 23:00 CDT 06/23/2012



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 06/23/2012 23:00 CDT, water levels across the Gulf Coast region are elevated by 1.5 feet or more above predicted tide levels. Water levels from Bay Waveland, MS to Galveston, TX are elevated between 1.5 feet and 2.2 feet above predicted tide levels.

Winds are steady across the region and generally range from 5-20 knots at all stations.

Barometric pressure continues to steadily fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.6 ft (0.49 m) at 06/24/2012 14:53 CDT and 1.3 ft (0.40 m) at 06/25/2012 15:20 CDT.

Tropical Storm DEBBY QuickLook, POSTED 23:00 CDT 06/23/2012

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.1 ft (0.33 m) at 06/24/2012 10:47 CDT and 0.9 ft (0.27 m) at 06/25/2012 10:17 CDT.

Shell Beach, LA: Next predicted high tides are 1.1 ft (0.35 m) at 06/24/2012 17:51 CDT and 0.9 ft (0.28 m) at 06/25/2012 11:42 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 1.9 ft (0.59 m) at 06/24/2012 06:42 CDT and 1.4 ft (0.44 m) at 06/24/2012 15:56 CDT.

Calcasieu Pass, LA: Next predicted high tides are 1.9 ft (0.58 m) at 06/24/2012 07:37 CDT and 1.5 ft (0.46 m) at 06/24/2012 17:32 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.5 ft (0.46 m) at 06/24/2012 08:15 CDT and 1.1 ft (0.34 m) at 06/24/2012 18:43 CDT.

Galveston Bay Entrance, North Jetty, TX: Next predicted high tides are 1.6 ft (0.48 m) at 06/24/2012 08:58 CDT and 1.1 ft (0.33 m) at 06/24/2012 18:44 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM DEBBY ADVISORY NUMBER 2

1000 PM CDT SAT JUN 23 2012

...DEBBY REMAINS STATIONARY OVER THE CENTRAL GULF OF MEXICO...
...HEAVY SQUALLS AFFECTING PORTIONS OF WEST-CENTRAL AND SOUTHWESTERN
FLORIDA...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* THE COAST OF LOUISIANA FROM THE MOUTH OF THE PEARL RIVER WESTWARD TO
MORGAN CITY...NOT INCLUDING THE CITY OF NEW ORLEANS OR LAKE PONTCHARTRAIN

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 PM CDT THE CENTER OF TROPICAL STORM DEBBY WAS LOCATED ABOUT 215 MI SSE OF THE MOUTH OF THE MISSISSIPPI RIVER. DEBBY HAS BEEN NEARLY STATIONARY THIS EVENING...AND LITTLE MOVEMENT IS EXPECTED THROUGH SUNDAY MORNING. A SLOW NORTHWARD MOTION IS FORECAST TO BEGIN BY SUNDAY AFTERNOON...FOLLOWED BY A GRADUAL WESTWARD TURN SUNDAY NIGHT OR MONDAY MORNING. ON THE FORECAST TRACK...THE CENTER OF DEBBY WILL BE MOVING OVER THE NORTHERN GULF OF MEXICO DURING THE NEXT FEW DAYS.

MAXIMUM SUSTAINED WINDS ARE NEAR 50 MPH WITH HIGHER GUSTS. THESE WINDS ARE OCCURRING WELL EAST OF THE CENTER OF CIRCULATION. SOME STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND DEBBY COULD BE NEAR HURRICANE STRENGTH BY MONDAY NIGHT.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 175 MILES MAINLY NORTHEAST AND EAST OF THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON NEARBY SHIP AND BUOY REPORTS IS 998 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO FIRST REACH THE COAST WITHIN THE WARNING AREA BY SUNDAY NIGHT...MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

MISSISSIPPI AND SOUTHEASTERN LOUISIANA...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

RAINFALL...DEBBY IS EXPECTED TO PRODUCE RAIN ACCUMULATIONS OF 3 TO 6 INCHES ALONG THE GULF COAST FROM SOUTHERN LOUISIANA TO THE FLORIDA PANHANDLE...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 10 INCHES. ADDITIONAL RAINS OF 1 TO 3 INCHES WITH ISOLATED AMOUNTS UP TO 5 INCHES WILL BE POSSIBLE ACROSS PORTIONS OF THE WESTERN FLORIDA PENINSULA.

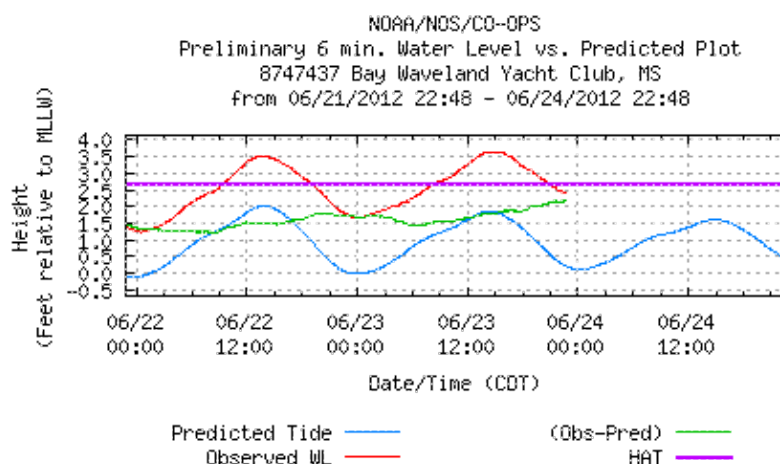
TORNADOES...ISOLATED TORNADOES ARE POSSIBLE OVER PORTIONS OF THE WEST-CENTRAL AND SOUTHWESTERN FLORIDA PENINSULA TONIGHT AND SUNDAY.

FORECASTER STEWART/LANDSEA

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Bay Waveland Yacht Club - Air/Water Temp](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Pilots Station East, SW Pass - Air/Water Temp](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Shell Beach - Air/Water Temp](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Freshwater Canal Locks - Barometric](#), [Freshwater Canal Locks - Air/Water Temp](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Calcasieu Pass - Air/Water Temp](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#), [Galveston Bay Entrance, North Jetty - Water Level](#), [Galveston Bay Entrance, North Jetty - Winds](#), [Galveston Bay Entrance, North Jetty - Barometric](#), [Galveston Bay Entrance, North Jetty - Air/Water Temp](#),

Bay Waveland Yacht Club, MS - Return to List

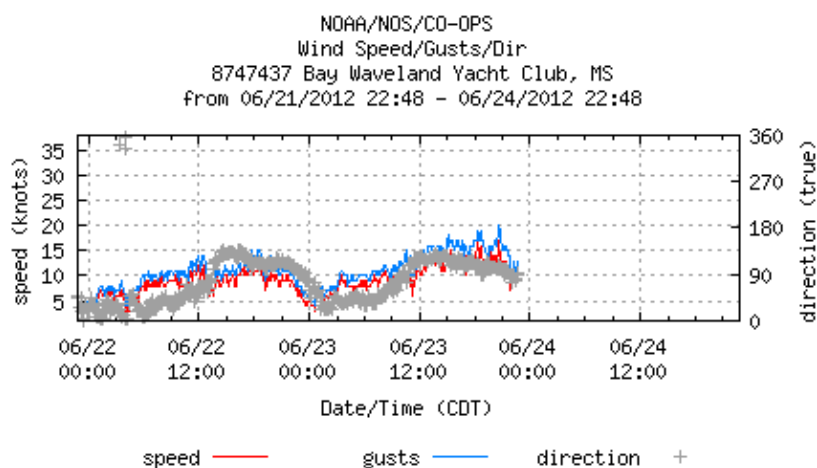


Last Observed Sample: 06/23/2012 22:42 (CDT)

Relative to MLLW: **Observed: 2.40 ft.** **Predicted: 0.22 ft.** **Residual: 2.18 ft.**

Historical Maximum Water Level: Sep 1 2008, 9.16 ft. above MHHW

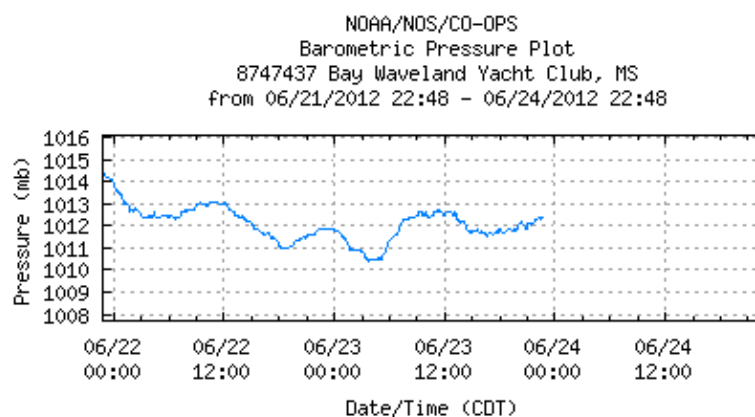
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 06/23/2012 22:42 (CDT)

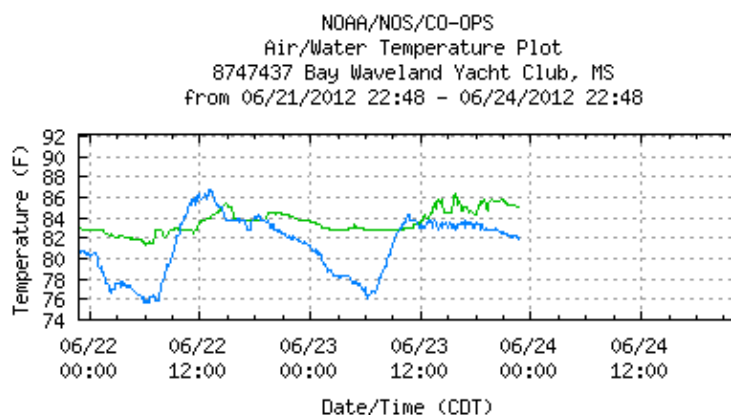
Wind Speed: 10 knots **Gusts: 13 knots** **Direction: 91° T**

[Bay Waveland Yacht Club, MS - Return to List](#)



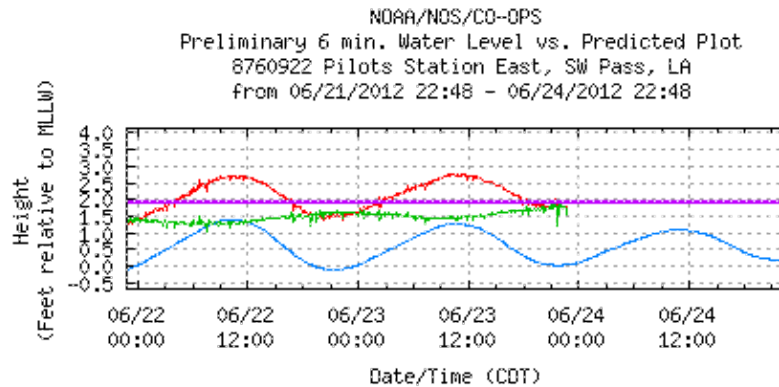
Last Observed Sample: 06/23/2012 22:42 (CDT)
Barometric Pressure: 1012.4 mb

[Bay Waveland Yacht Club, MS - Return to List](#)



Last Observed Sample: 06/23/2012 22:42 (CDT)
Water Temperature: 85.1° F Air Temperature: 81.9° F

Pilots Station East, SW Pass, LA - Return to List

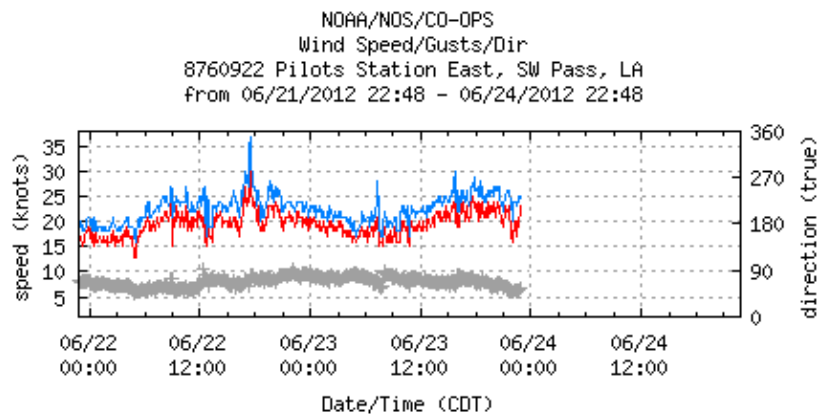


Last Observed Sample: 06/23/2012 22:42 (CDT)

Relative to MLLW: **Observed: 1.62 ft.** **Predicted: 0.04 ft.** **Residual: 1.58 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

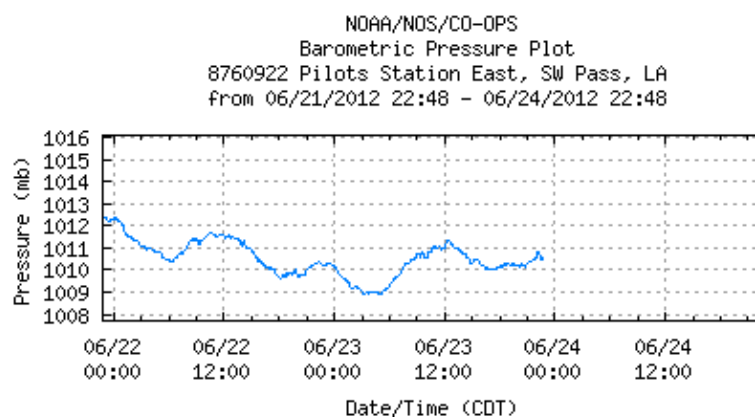
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 06/23/2012 22:48 (CDT)

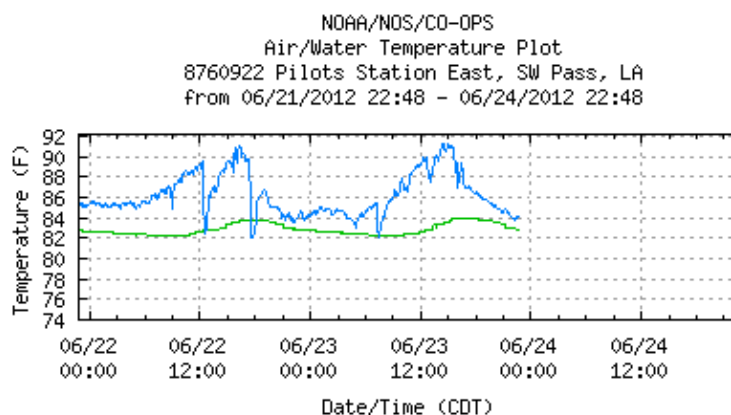
Wind Speed: 23 knots **Gusts: 25 knots** **Direction: 55° T**

Pilots Station East, SW Pass, LA - Return to List



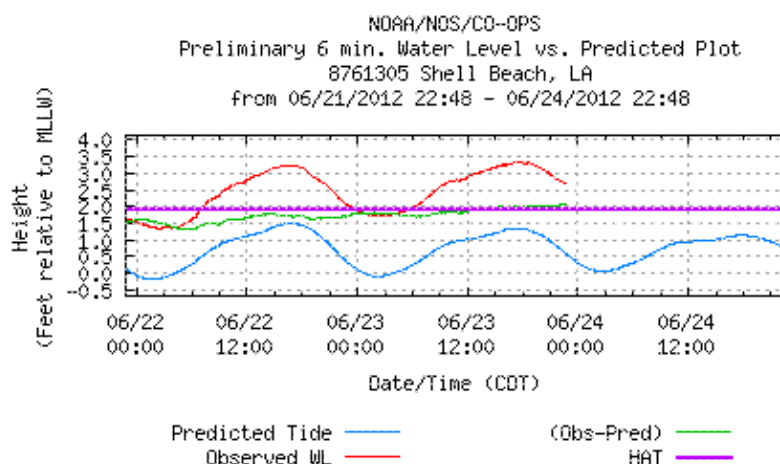
Last Observed Sample: 06/23/2012 22:42 (CDT)
Barometric Pressure: 1010.6 mb

Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 06/23/2012 22:42 (CDT)
Water Temperature: 82.9° F Air Temperature: 84.2° F

Shell Beach, LA - Return to List

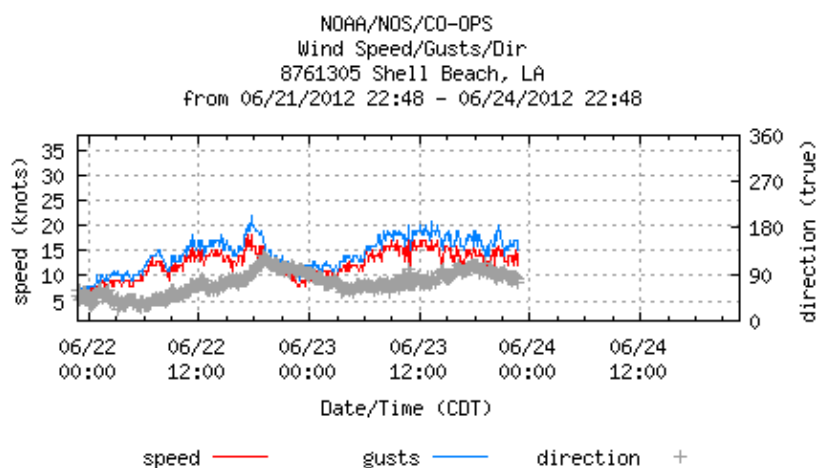


Last Observed Sample: 06/23/2012 22:42 (CDT)

Relative to MLLW: **Observed: 2.68 ft.** **Predicted: 0.59 ft.** **Residual: 2.09 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW

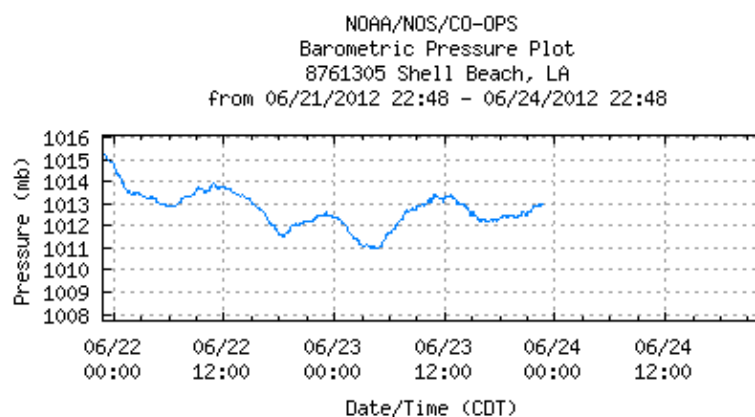
Shell Beach, LA - Return to List



Last Observed Sample: 06/23/2012 22:42 (CDT)

Wind Speed: 12 knots **Gusts: 15 knots** **Direction: 82° T**

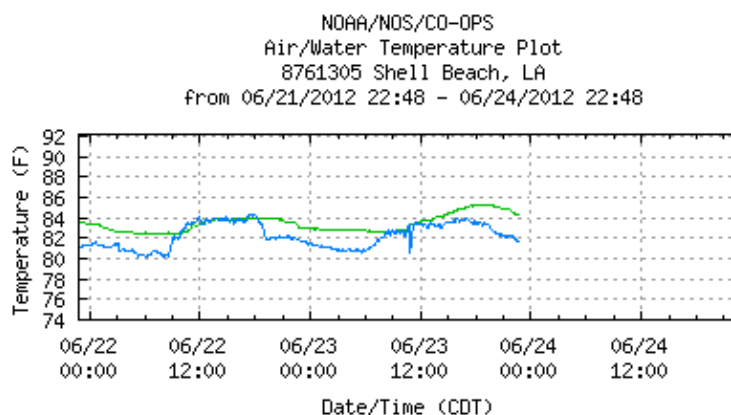
Shell Beach, LA - Return to List



Last Observed Sample: 06/23/2012 22:42 (CDT)

Barometric Pressure: 1013.0 mb

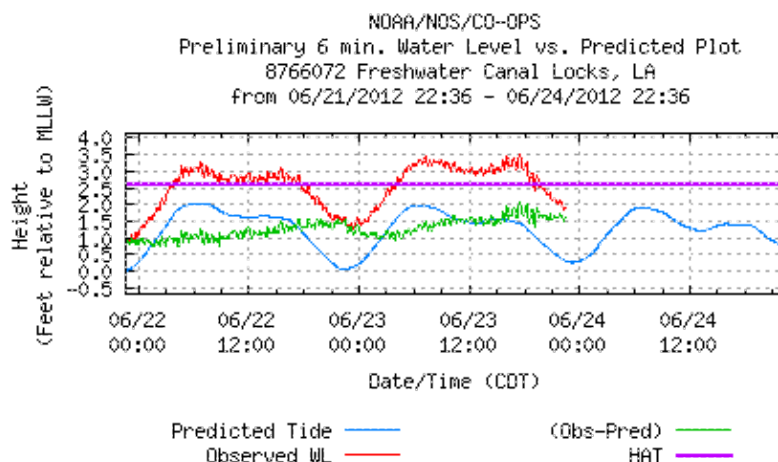
Shell Beach, LA - Return to List



Last Observed Sample: 06/23/2012 22:42 (CDT)

Water Temperature: 84.4° F Air Temperature: 81.6° F

[Freshwater Canal Locks, LA - Return to List](#)

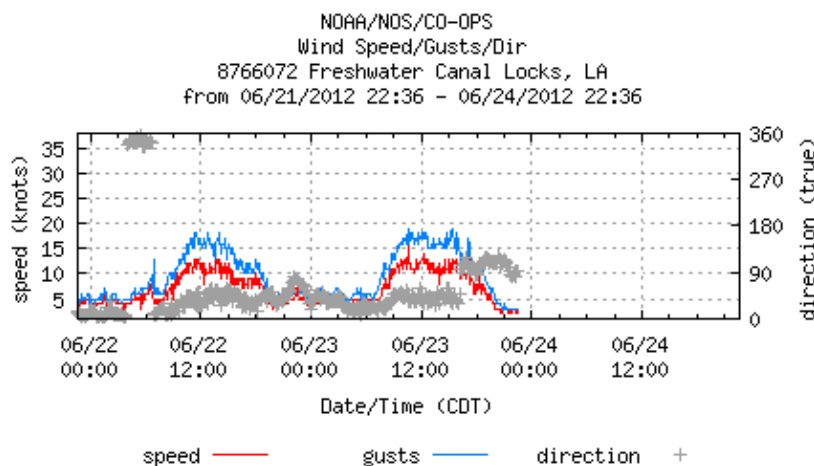


Last Observed Sample: 06/23/2012 22:42 (CDT)

Relative to MLLW: **Observed: 1.75 ft.** **Predicted: 0.28 ft.** **Residual: 1.47 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

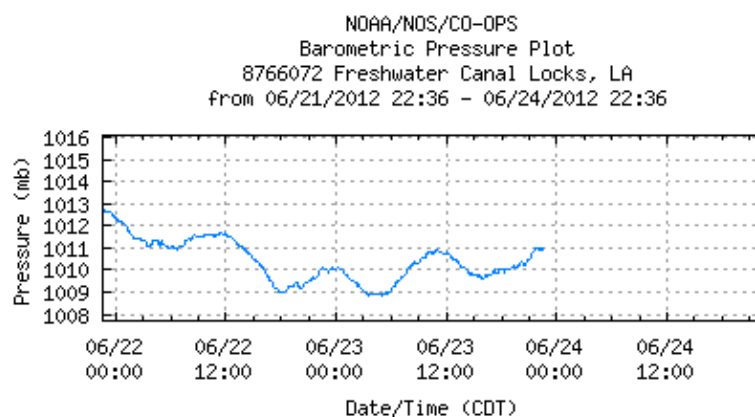
[Freshwater Canal Locks, LA - Return to List](#)



Last Observed Sample: 06/23/2012 22:42 (CDT)

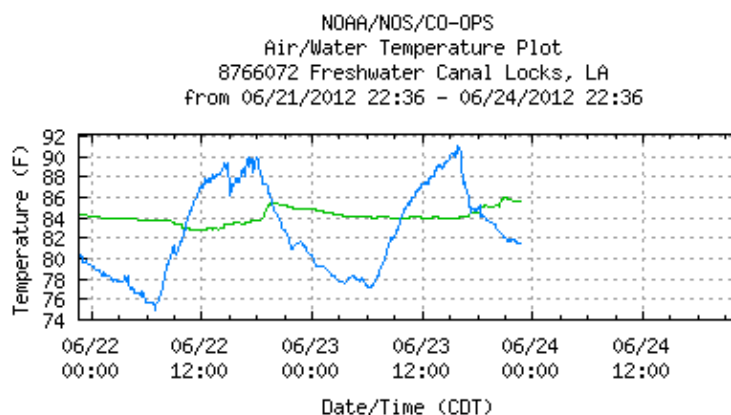
Wind Speed: 2 knots **Gusts: 3 knots** **Direction: 96° T**

Freshwater Canal Locks, LA - Return to List



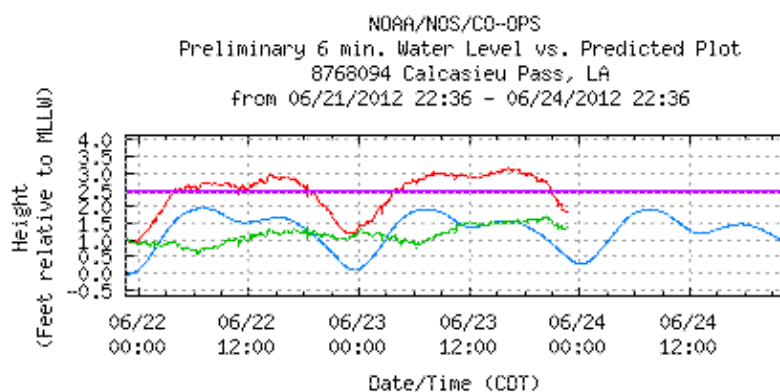
Last Observed Sample: 06/23/2012 22:42 (CDT)
Barometric Pressure: 1010.9 mb

Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 06/23/2012 22:42 (CDT)
Water Temperature: 85.6° F Air Temperature: 81.7° F

Calcasieu Pass, LA - Return to List



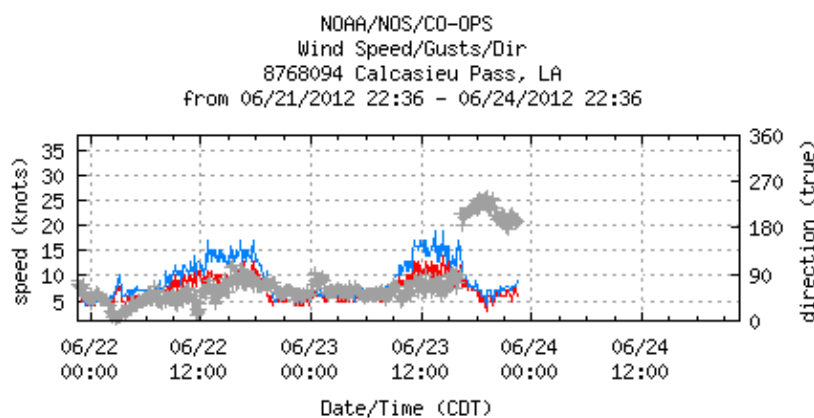
Predicted Tide — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 06/23/2012 22:48 (CDT)

Relative to MLLW: **Observed: 1.80 ft.** **Predicted: 0.44 ft.** **Residual: 1.36 ft.**

Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

Calcasieu Pass, LA - Return to List

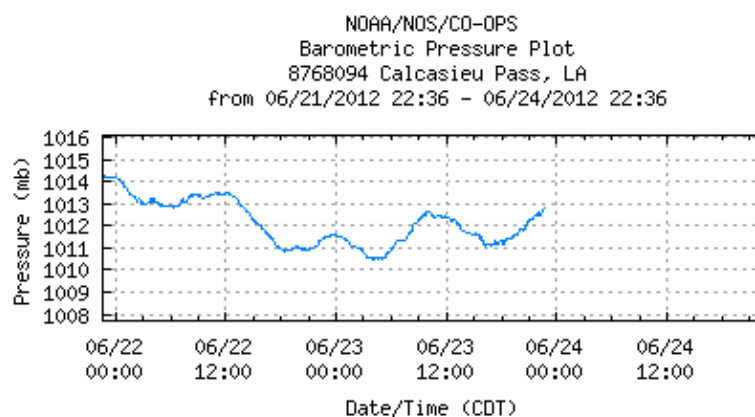


speed — gusts — direction +

Last Observed Sample: 06/23/2012 22:48 (CDT)

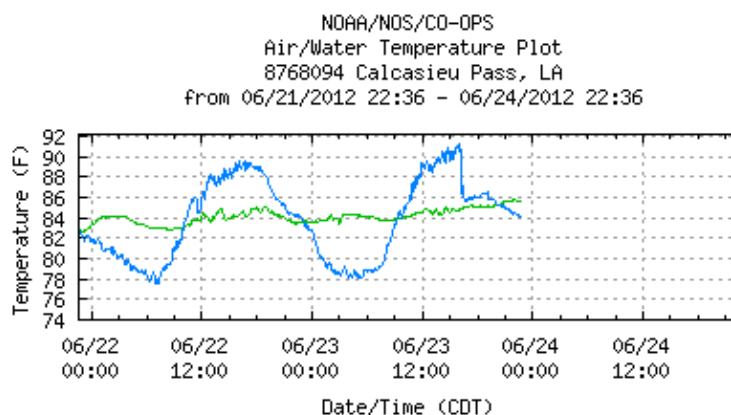
Wind Speed: 7 knots **Gusts: 8 knots** **Direction: 201° T**

Calcasieu Pass, LA - Return to List



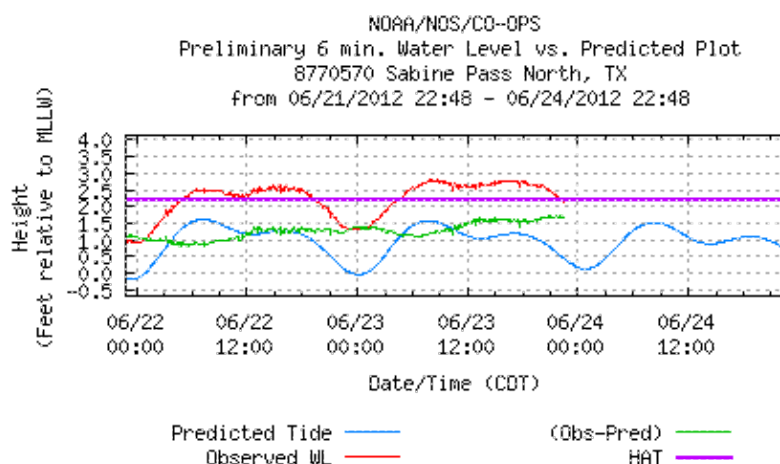
barometric pressure —
Last Observed Sample: 06/23/2012 22:48 (CDT)
Barometric Pressure: 1012.7 mb

Calcasieu Pass, LA - Return to List



water temp. — air temp —
Last Observed Sample: 06/23/2012 22:48 (CDT)
Water Temperature: 85.6° F Air Temperature: 84.2° F

Sabine Pass North, TX - Return to List

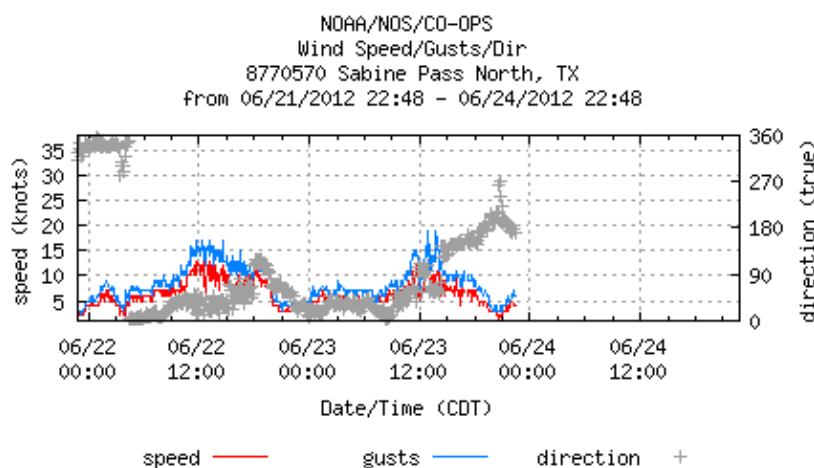


Last Observed Sample: 06/23/2012 22:30 (CDT)

Relative to MLLW: **Observed: 2.11 ft.** **Predicted: 0.44 ft.** **Residual: 1.67 ft.**

Historical Maximum Water Level: Sep 13 2008, 12.71 ft. above MHHW

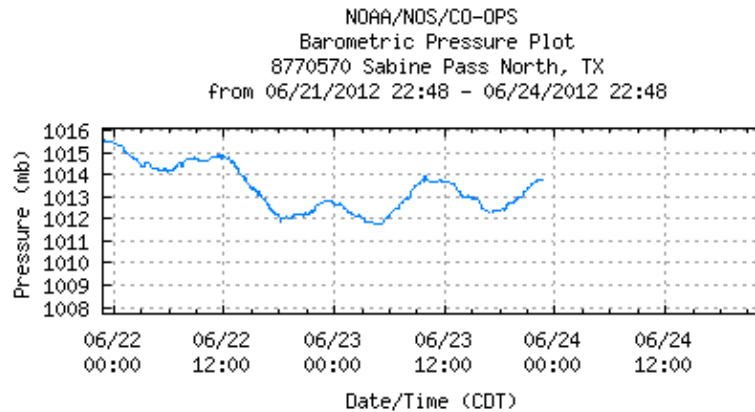
Sabine Pass North, TX - Return to List



Last Observed Sample: 06/23/2012 22:24 (CDT)

Wind Speed: 4 knots **Gusts: 6 knots** **Direction: 172° T**

Sabine Pass North, TX - Return to List

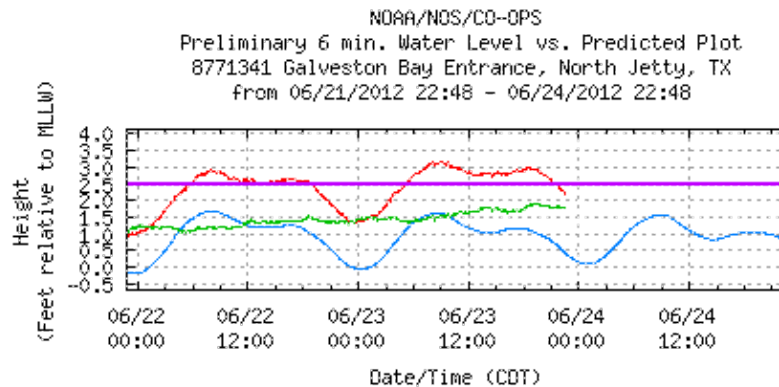


barometric pressure —

Last Observed Sample: 06/23/2012 22:36 (CDT)

Barometric Pressure: 1013.8 mb

Galveston Bay Entrance, North Jetty, TX - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

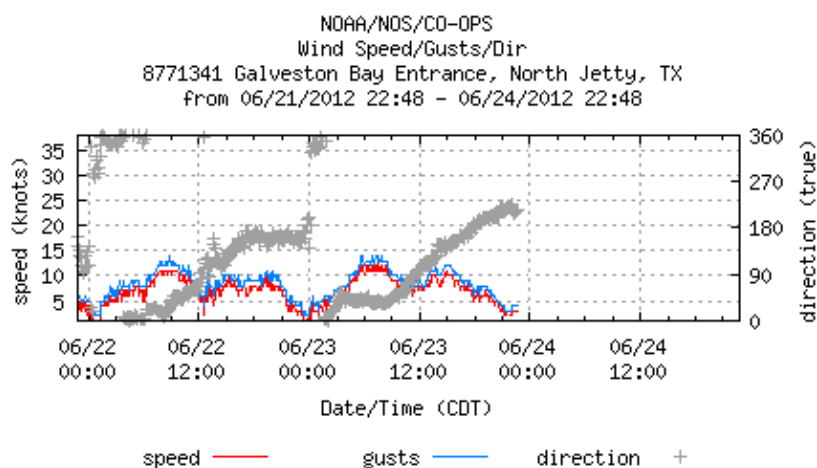
HAT —

Last Observed Sample: 06/23/2012 22:30 (CDT)

Relative to MLLW: **Observed: 2.20 ft.** **Predicted: 0.43 ft.** **Residual: 1.77 ft.**

Historical Maximum Water Level: , 0 ft. above MHHW

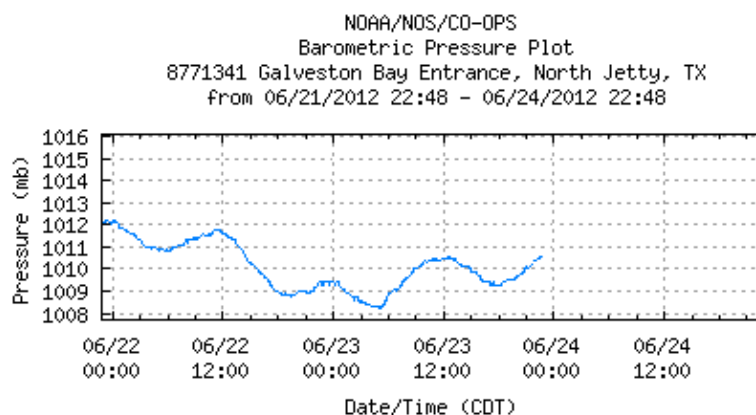
Galveston Bay Entrance, North Jetty, TX - Return to List



Last Observed Sample: 06/23/2012 22:36 (CDT)

Wind Speed: 3 knots Gusts: 4 knots Direction: 216° T

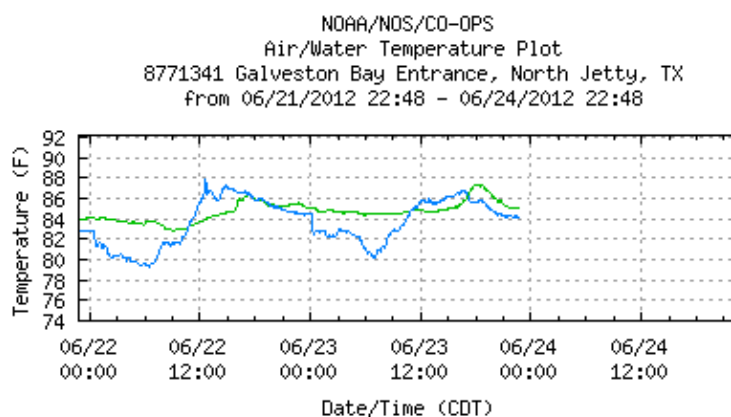
Galveston Bay Entrance, North Jetty, TX - Return to List



Last Observed Sample: 06/23/2012 22:36 (CDT)

Barometric Pressure: 1010.6 mb

Galveston Bay Entrance, North Jetty, TX - Return to List



water temp. — air temp. —

Last Observed Sample: 06/23/2012 22:36 (CDT)

Water Temperature: 85.1° F Air Temperature: 84.2° F

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce